



Office of the Illinois  
**State Fire Marshal**

1035 STEVENSON DRIVE  
SPRINGFIELD ILLINOIS 62703-4259

171147  
RECEIVED  
JUL 11 1981  
ARROW GEAR CO.  
Arrow Gear Company  
2301 Curtiss St  
Downers Grove, Il. 60515





OFFICE OF THE ILLINOIS STATE FIRE MARSHAL  
Division of Petroleum and Chemical Safety  
1035 Stevenson Drive  
Springfield, Illinois 62703-4259

FOR OFFICE USE ONLY	
Facility #	2-001201
Permit #	345-91 ABN
Request Rec'd	05-20-91
Approval Date	06-27-91
Permit Expires	

PERMIT FOR ABANDONMENT IN PLACE OF  
UNDERGROUND STORAGE TANKS AND PIPING FOR PETROLEUM AND HAZARDOUS SUBSTANCES

Permission to abandon in place an underground storage tank or tanks is hereby granted. THIS PERMIT IS VALID FOR 6 MONTHS FROM THE APPROVAL DATE. A forty eight (48) hour - 2 working day notice is required to confirm the final date the completion of the abandonment for confirmation of our Inspector to be on site. This Office Phone Number is 7-785-5878 or 217-785-1020.

Owner - corporation, partnership or other business entity:  
Arrow Gear Company

Name 2301 Curtiss St  
Street Address Downers Grove IL 60515  
City James J Cervinka State IL Zip 708/969-7640  
Contact Person Phone

Name and location of facility where abandonment in place is to occur:  
Same

Name  
Street Address DuPage  
City DuPage County DuPage Zip 60515  
Contact Person Phone

Abandonment in place:  
a) (1) 1800 gal. waste oil and water soluble coolant tank, and 1000 gal quenching oil tank  
located inside a building and under the floor as specified on your site plans.

Number, size and location of tanks being abandoned in place

Person, firm or company performing work:  
New Process Tank Systems Inc

Name 742 N Yale  
Street Address Villa Park IL 60181  
City 708/387-0026 State IL Zip 363-65-3588  
Phone Registration No.

You must notify this office when completion of tank abandonment has taken place; please complete (front & back) a EPA Notification Form 7530-1, so that appropriate records can be corrected. Please note a EPA form 7530-1 has been forwarded to the name & address shown in Item 1.

Sincerely,

BA:jls

W. Dale Tanke / B.A.  
W. Dale Tanke  
Storage Tank Safety Engineer

DPCS Specialist Siegler  
Fire Department  
Division File  
Dale Tanke  
Office Associate SLM  
Rev. 8/90

<u>FOR OFFICE USE ONLY</u>	
Facility #	2-001201
Permit #	345-91 ABN
Approval Date	06-24-91
Approved By	BA

**STANDARD GRANTED CONDITIONS**  
**FOR**  
**ABANDONMENT IN PLACE**

This permit serves as a waiver of the underground storage tank removal requirement (41 Ill. Admin. Code, Chap. I, Part 170) for the tank specified in your Statement of Need, permit application and associated plans and drawings.

The following procedure shall be followed:

- a. Flammable or combustible vapors are likely to be present in the work area. The concentration of vapors in the tank, the excavation, or the work area may enter the flammable (explosive) range before a safe atmosphere is reached. It is, therefore, necessary that precautions are taken to: eliminate all potential sources of ignition from the area (e.g. smoking materials, nonexplosion-proof electrical and internal combustion equipment); prevent the discharge of static electricity during removal of flammable vapors; and to prevent the accumulation of vapors at ground level. Refer to American Petroleum Institute Bulletin 1604 (1987) for further caution.
- b. Drain product piping, being careful to avoid any spillage to the excavation area. Disconnect product piping from tank, and cap or remove such piping.
- c. Remove liquids and residues from the tank by using explosion-proof or air-driven pumps. Pump motors and suction hoses must be bonded to the tank (or otherwise grounded) to prevent electrostatic ignition hazards. It may be necessary to use a hand pump to remove the bottom few inches of liquid.
- d. If a vacuum truck is used for removal of liquids or residues, the area of operation for the vacuum truck must be vapor-free, and the truck should be located upwind from the tank and outside the path of probable vapor travel. The vacuum pump exhaust gases should be discharged through a hose of adequate size and length, downwind of the truck and tank area (See API Publication 2219, "Safe Operation of Vacuum Trucks in Petroleum Service").
- e. Excavate to the top of the tank.
- f. Remove the drop tube, fill pipe, gauge pipe, and vapor recovery truck connection, submersible pumps, and any other tank appurtenances. Cap or remove all non-product lines (e.g. vapor recovery lines), except for the vent line. The vent line should remain connected until the tank is purged. Temporarily plug all other tank openings.

(over)

- g. Purge the tank of flammable vapors. Vent all vapors a minimum of 12 feet above grade, and three feet above any adjacent roof lines. Monitor tank for flammable vapor with a combustible gas indicator until the tank atmosphere has been brought to less than 20% of the lower flammable or explosive limit.
- h. One or more holes may be cut in the tank top if existing tank openings are not adequate for introduction of the inert material to be used to fill the tank.
- i. Proceed to introduce a suitable, solid, inert material through openings in the top of the tank to minimize any surface settling subsequent to disposal of the tank in place.
- j. Sand Fill. Sand will flow readily and is generally available. Any kind of sand is suitable if it is free of rocks, which might limit leveling-out in the tank. The sand may be introduced dry as long as it flows in freely. When the sand cone nears the tank top, the sand can be washed into the tank with a nominal amount of water and puddled to cause it to flow to the ends. The use of larger amounts of water should be avoided since the tank might be filled with water before it is filled with sand.
- k. Sand and Earth Fill. Almost complete filling of the tank can be achieved by using a combination of sand and earth as follows: (1) Fill the tank with sand to approximately 80 percent of calculated capacity; (2) Mix soil and water to make a free-flowing mud; and (3) Pour the mixture into the tank opening and puddle the mixture until the tank is full and overflows the fill opening. Other types of inert materials may be used.
- l. After the tank is filled with an inert material, all tank openings should be plugged or capped unless it was necessary to cut open the tank top.
- m. Disconnect and cap or remove the vent line.

After abandonment has taken place, you must keep a permanent record of the tank location, the date of abandonment and the method of conditioning the tank for abandonment and forward a copy of the same to this office. You must also complete a Notification for Underground Storage Tanks Form (EPA 7530-1(11-85) and forward within 30 days.

cc: DPCS Specialist  
Local Fire Dept.  
Division File  
Dale Tanke

# Notification for Underground Storage Tanks

Form No. 100-100  
APPROVAL EXPIRES 6-30-88

DIVISION PETROLEUM/CHEMICAL SAFETY  
ILLINOIS STATE FIRE MARSHAL  
1035 STEVENSON DRIVE  
SPRINGFIELD, IL

62703-4259

I.D. Number

3-301201

Date Received

STATE USE ONLY

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

**What Tanks Are Included?** Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

**What Tanks Are Excluded?** Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes.

3. septic tanks.

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;

5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mine-working, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

**What Substances Are Covered?** The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

**Where To Notify?** Completed notification forms should be sent to the address given at the top of this page.

**When To Notify?** 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

**Penalties:** Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

## INSTRUCTIONS

Please type or print in ink all items except "signature" in Section VI. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

### OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

Street Address (mailing address)

County

City

State

ZIP Code

Area Code

Phone Number

Type of Owner (Mark all that apply ☒)

☐ Current

☐ State or Local Gov't

☐ Private or Corporate

☐ Former

☐ Federal Gov't  
(GSA facility I.D. no. \_\_\_\_\_)

☐ Ownership uncertain

### ALLOCATION OF TANK(S)

(If same as Section I, mark box here ☐)

Facility Name or Company Site Identifier, as applicable

Street Address or State Road, as applicable (exact street address)

County

City (nearest)

State

ZIP Code

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

☐

(Remaining in Ground)

### CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)

Job Title

Area Code

Phone Number

### TYPE OF NOTIFICATION



Mark box here only if this is an amended or subsequent notification for this location.

### CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

Signature (must be original)

Date Signed

CONTINUE ON REVERSE SIDE

**VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)**

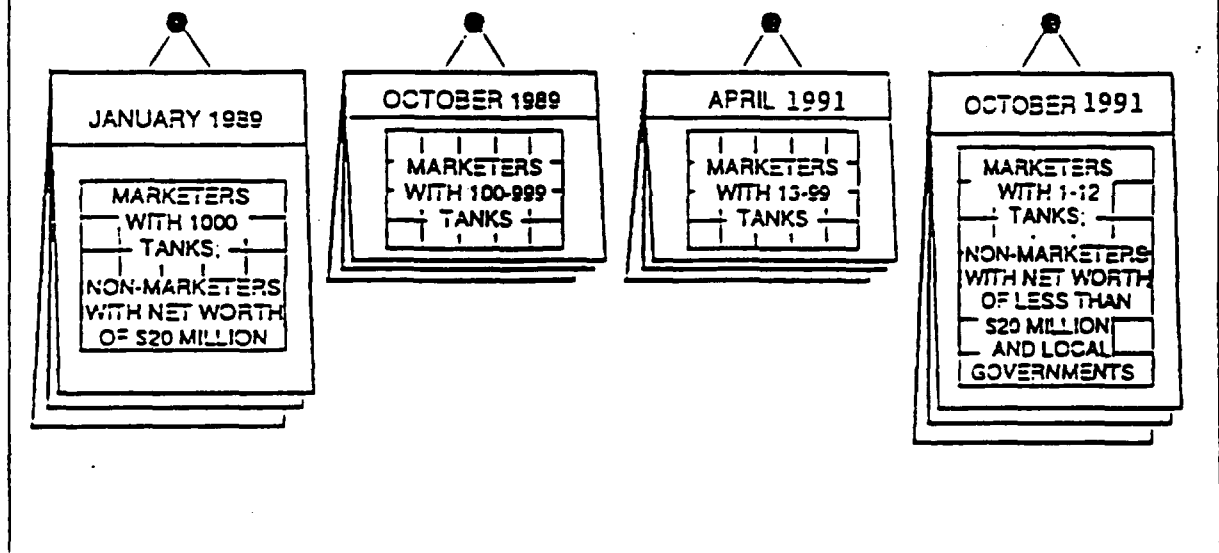
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
<b>1. Status of Tank</b> (Mark all that apply <input type="checkbox"/> ) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Estimated Age (Years)</b>					
<b>3. Estimated Total Capacity (Gallons)</b>					
<b>4. Material of Construction</b> (Mark one <input type="checkbox"/> ) Steel Concrete Fiberglass Reinforced Plastic Unknown Other. Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5. Internal Protection</b> (Mark all that apply <input type="checkbox"/> ) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other. Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>6. External Protection</b> (Mark all that apply <input type="checkbox"/> ) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other. Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7. Piping</b> (Mark all that apply <input type="checkbox"/> ) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other. Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>8. Substance Currently or Last Stored in Greatest Quantity by Volume</b> (Mark all that apply <input type="checkbox"/> ) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Back-Up Generator Used Oil Other _____ Other. Please Specify _____ c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>9. Additional Information (for tanks permanently &amp; temporarily taken out of service)</b> a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete) <b>DATE TANK(S) FILLED W/INERT MATERIAL?</b>					

## What Is "Financial Responsibility" And Why Is It Necessary For You?

Financial responsibility means that if you own or operate an UST, you must ensure, either through insurance or other means

that there will be money to help pay for the costs of third-party liability and corrective action caused by a leak from your tank. These costs could include cleaning up leaked petroleum, correcting environmental damage, supplying drinking water, and compensating people for personal injury or property damage. Financial responsibility also protects you. If your UST leaks, you may be faced with high cleanup costs or with lawsuits brought by third parties. Having financial responsibility means that money will be available to meet these costs.

### WHEN YOU MUST HAVE IT



# WHO IS AFFECTED BY THESE REGULATIONS?

## Do You Have To Show Financial Responsibility?

Either the owner or the operator of the tank must show financial responsibility, but not both if the owner and operator are different individuals or firms. It is the responsibility of the owner and operator to decide which of them will show financial responsibility.

Federal and State governments and their agencies that own USTs are not required to document financial responsibility. Local governments, however, must comply with the new rule.

If you owned or operated a tank that was properly closed before the date for compliance that applies to you, then the financial responsibility requirements will not apply to your closed tank.

## What Do You Have To Do?

The new financial responsibility regulations require you to show that you have one of the following:

- ◆ at least \$1 million to cover the costs of a leak or spill from your underground storage tank if you are a PETROLEUM MARKETER (page 43334 of the Federal Register of October 26, 1988); or
- ◆ at least \$500,000 if you are NOT A MARKETER (page 43330 of the Federal Register of October 26, 1988).

The Illinois Underground Storage Tank Fund assists UST owners to satisfy the coverage requirements, but there is still a deductible to be met using other methods of coverage. The amount of financial responsibility that you must show does not limit your total liability for damages caused by a leak from your tank system.

## When Must You Comply With The Financial Responsibility Requirements?

The rule takes effect 90 days after its publication in the Federal Register (i.e., January 24, 1989). The date when you will have to show financial responsibility, however, depends on the compliance category that you fall into, as shown below:

- ◆ If you fall into one of the following groups, you must show financial responsibility on the same day that the rule becomes effective on January 24, 1989: 1) petroleum marketing firms that own 1,000 or more USTs; and 2) any other UST owners that report a tangible net worth of \$20 million or more to the SEC, Dun and Bradstreet, the Energy Information Administration, or the Rural Electrification Administration.
- ◆ If you are a petroleum marketing firm that owns 100 to 999 USTs, you must show financial responsibility by October 26, 1989.
- ◆ If you are a petroleum marketing firm that owns 13 to 99 USTs at more than one site, you must show financial responsibility by April 26, 1991.
- ◆ If you fall into one of the following groups, you must show financial responsibility by October 26, 1991: 1) petroleum marketing firms owning 1 to 12 USTs or those having fewer than 100 USTs at one site; 2) all other UST owners with a tangible net worth of less than \$20 million; and 3) local governments.